

STIC Database Tracking Number 253348

To: HOANG-QUAN HO
Location: JEF-6C84
Art Unit: 2818
Wednesday, March 19, 2008

Case Serial Number: 10/572680

From: SCOTT SEGAL
Location: EIC2800
JEF-4B68 / JEF-4C59
Phone: (571)272-1314

scott.segal@uspto.gov

Search Notes

Re: Gallium Nitride-Based Compound Semiconductor Light-Emitting Device and Electrode for the Same

Examiner Ho:

Attached are edited search results from the patent and NPL literature in STN. Databases searched included Chemical Abstracts, Derwent World Patent Index, and Japan Patent Abstracts.

A variety of search strategies were conducted (please see the search histories). However, no documents were found that were relevant to the search parameters we discussed yesterday.

If you would like more searching to be done on this case, or if you have questions or comments, please do not hesitate to contact me.

Respectfully,
Scott

Scott Segal
Searcher, STIC-EIC2800
JEF-4B68, 571-272-1314

253340



EIC 2800 SEARCH REQUEST

MAR 6 1997

Today's Date _____

Name Hoang Quan HoPriority App. Filing Date 9-22-23AU/Org. 2818 Employee # 81339Case/App. # 10/572680Bld.&Rm.# Jeff 6034 Phone 2-8711

Format for Search Results

EMAIL ☒PAPER ☐If this is an Appeals case, check here ☐Describe this invention in your own words _____

_____Synonyms _____
_____**Additional Comments**

* Please see the search topic
as described in the attached
search request submitted by the
Examiner.

Please submit completed form to your EIC.

STIC USE ONLYSearcher Scott SegezDate Completed 3/11/08Phone 2-1314Sources Chemical Abstract, Derwent, Japio

MAR 6

253340

Jackson, Diane

From: HOANG QUAN HO [hoangquan.ho@uspto.gov]
Sent: Wednesday, March 05, 2008 3:49 PM
To: STIC-EIC2800
Cc: Zhou, Steven (ASRC)
Subject: Database Search Request via WS, Serial Number: 10572680

Requester: HOANG QUAN HO (P/2818)
Art Unit: P/2818
Employee Number: 81339
Office Location: JEF 06C84
Phone Number: (571)272-8711
Mailbox Number:

Case serial number: 10572680
Class / Subclass(es):
Earliest Priority Filing Date: 09/22/2003
Format preferred for results: E-mail
Attachments: No attachment.
Search Topic Information:

Searching for an ohmic contact electrode composed of multiple layers. See claim 1 where it recites two distinct layers. The first layer comprises of a group of Au, Pt, Pd, Ni, Co, and Rh. Second layer comprises metal oxide of Ti, Sn, Cr, Co, Zn, Cu, Mg, and In (e.g., NiO, TiO, SnO, CrO, CoO, ZnO, CuO, MgO). Also, the second layer is parted in plural layers whereas the first layer is a single and continuous layer.
Special Instructions and Other Comments:

10/572,680

3/19/08

STN

10:36:22 ON 19 MAR 2008

11:36:46 ON 19 MAR 2008

FILE 'HCAPLUS, WPIX, JAPIO' ENTERED AT 10:37:29 ON 19 MAR 2008

L1 423126 SEA ABB=ON PLU=ON (ISLAND OR ISOLAT#### OR PORTION OR
SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR SPACING
OR STAGGER####) (3A) (PLURAL##### OR AT LEAST OR MORE THAN ONE
OR MULTIPLE OR MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE OR NUMEROUS)

L2 375024 SEA ABB=ON PLU=ON (ISLAND OR ISOLAT#### OR PORTION OR
SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR SPACING
OR STAGGER####) (3A) (LARGE NUMBER OR GREAT NUMBER OR MANY OR
SEVERAL OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN)

L3 216142 SEA ABB=ON PLU=ON (MICROARRAY### OR ARRAY OR ?PATTERN? OR
SEPARAT#### OR INTERVAL### OR DISTANCE OR DISTINCT) (3A) (PLURAL#
OR AT LEAST OR MORE THAN ONE OR MULTIPLE OR MULTIPLIC#####
OR MULTI OR MYRIAD OR MULTITUDE OR NUMEROUS)

L4 440985 SEA ABB=ON PLU=ON (MICROARRAY### OR ARRAY OR ?PATTERN? OR
SEPARAT#### OR INTERVAL### OR DISTANCE OR DISTINCT) (3A) (LARGE
NUMBER OR GREAT NUMBER OR MANY OR SEVERAL OR TWO OR THREE OR
FOUR OR SERIES OR GREATER THAN)

L5 186054 SEA ABB=ON PLU=ON (PROJECT#### OR PROTRUD#### OR JUT OR
JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID#### OR
DIVIS####) (3A) (PLURAL##### OR AT LEAST OR MORE THAN ONE OR
MULTIPLE OR MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE OR NUMEROUS)

L6 270607 SEA ABB=ON PLU=ON (PROJECT#### OR PROTRUD#### OR JUT OR
JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID#### OR
DIVIS####) (3A) (LARGE NUMBER OR GREAT NUMBER OR MANY OR SEVERAL
OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN)

L7 117661 SEA ABB=ON PLU=ON (DISCONTINU##### OR INDIVIDUAL OR SINGLE
OR DISCONNECT#### OR PLATFORM###) (3A) (PLURAL##### OR AT LEAST
OR MORE THAN ONE OR MULTIPLE OR MULTIPLIC##### OR MULTI OR
MYRIAD OR MULTITUDE OR NUMEROUS)

L8 121808 SEA ABB=ON PLU=ON (DISCONTINU##### OR INDIVIDUAL OR SINGLE
OR DISCONNECT#### OR PLATFORM###) (3A) (LARGE NUMBER OR GREAT
NUMBER OR MANY OR SEVERAL OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN)

L9 1540203 SEA ABB=ON PLU=ON (RAIS#### OR UPAIS## OR ASCEND? OR UPPER
OR HIGHER OR ABOVE OR CONVEX? OR ELEVAT#### OR LIFTED OR
HEIGHTEN##) (3A) (REGION OR AREA OR RANGE OR PART OR SECTION OR
LOCATION OR LOCALE OR PORTION OR POSITION OR SURFACE OR
PARTITION OR SEGMENT OR SECTOR OR PLATFORM OR SEAT)

L10 1187587 SEA ABB=ON PLU=ON (PLURAL##### OR AT LEAST OR MORE THAN ONE
OR MULTIPLE OR MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE
OR NUMEROUS OR LARGE NUMBER OR GREAT NUMBER OR MANY OR SEVERAL
OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN) (3A) (REGION
OR AREA OR PART OR SECTION)

L11 648062 SEA ABB=ON PLU=ON (PLURAL##### OR AT LEAST OR MORE THAN ONE
OR MULTIPLE OR MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE
OR NUMEROUS OR LARGE NUMBER OR GREAT NUMBER OR MANY OR SEVERAL
OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN) (3A) (LOCATION
OR LOCALE OR PORTION OR POSITION OR SEAT)

L12 124893 SEA ABB=ON PLU=ON (PLURAL##### OR AT LEAST OR MORE THAN ONE
OR MULTIPLE OR MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE
OR NUMEROUS OR LARGE NUMBER OR GREAT NUMBER OR MANY OR SEVERAL
OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN) (3A) (PARTITIO
N OR SEGMENT OR SECTOR OR PLATFORM)

L13 4283598 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR
L8 OR L9 OR L10 OR L11 OR L12)

L14 213 SEA ABB=ON PLU=ON L13 AND (ISLAND OR ISOLAT#### OR PORTION
OR SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR
SPACING OR STAGGER####) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR
CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L15 437 SEA ABB=ON PLU=ON L13 AND (MICROARRAY### OR ARRAY OR
?PATTERN? OR SEPARAT#### OR INTERVAL### OR DISTANCE OR
DISTINCT) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3
OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L16 66 SEA ABB=ON PLU=ON L13 AND (PROJECT#### OR PROTRUD#### OR JUT
OR JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID####
OR DIVIS####) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR
CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L17 514 SEA ABB=ON PLU=ON L13 AND (DISCONTINU##### OR INDIVIDUAL OR SINGLE OR DISCONNECT#### OR PLATFORM###) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L18 664 SEA ABB=ON PLU=ON L13 AND (RAIS#### OR UPRAIS## OR ASCEND? OR UPPER OR HIGHER OR ABOVE OR CONVEX? OR ELEVAT#### OR LIFTED OR HEIGHTEN##) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L19 1691 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (ISLAND OR ISOLAT#### OR PORTION OR SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR SPACING OR STAGGER####)

L20 1315 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (MICROARRAY### OR ARRAY OR ?PATTERN? OR SEPARAT#### OR INTERVAL### OR DISTANCE OR DISTINCT)

L21 222 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (PROJECT#### OR PROTRUD#### OR JUT OR JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID#### OR DIVIS####)

L22 599 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (DISCONTINU##### OR INDIVIDUAL OR SINGLE OR DISCONNECT#### OR PLATFORM###)

L23 1158 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (RAIS#### OR UPRAIS## OR ASCEND? OR UPPER OR HIGHER OR ABOVE OR CONVEX? OR ELEVAT#### OR LIFTED OR HEIGHTEN##)

L24 6210 SEA ABB=ON PLU=ON (L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21 OR L22 OR L23)

L25 2024 SEA ABB=ON PLU=ON (ISLAND OR ISOLAT#### OR PORTION OR SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR SPACING OR STAGGER####) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L26 6218 SEA ABB=ON PLU=ON (MICROARRAY### OR ARRAY OR ?PATTERN? OR SEPARAT#### OR INTERVAL### OR DISTANCE OR DISTINCT) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L27 1084 SEA ABB=ON PLU=ON (PROJECT#### OR PROTRUD#### OR JUT OR JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID#### OR DIVIS####) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L28 11091 SEA ABB=ON PLU=ON (DISCONTINU##### OR INDIVIDUAL OR SINGLE OR DISCONNECT#### OR PLATFORM###) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L29 7661 SEA ABB=ON PLU=ON (RAIS#### OR UPRAIS## OR ASCEND? OR UPPER OR HIGHER OR ABOVE OR CONVEX? OR ELEVAT#### OR LIFTED OR HEIGHTEN##) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L30 6018 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (ISLAND OR ISOLAT#### OR PORTION OR SEGMENT### OR PROTRUSION OR BUMP OR HUMP OR SPACE# OR SPACING OR STAGGER####)

L31 10486 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (MICROARRAY### OR ARRAY OR ?PATTERN? OR SEPARAT#### OR INTERVAL### OR DISTANCE OR DISTINCT)

L32 1408 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (PROJECT#### OR PROTRUD#### OR JUT OR JUTTING OR BULGE# OR BULGING OR PARTITION### OR DIVID#### OR DIVIS####)

L33 7821 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A) (DISCONTINU##### OR INDIVIDUAL OR SINGLE OR DISCONNECT#### OR PLATFORM###)

L34 6885 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO
 OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (RAIS#### OR UPRAIS## OR ASCEND? OR UPPER OR HIGHER OR ABOVE
 OR CONVEX? OR ELEVAT#### OR LIFTED OR HEIGHTEN##)
 L35 56014 SEA ABB=ON PLU=ON (L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR
 L31 OR L32 OR L33 OR L34)
 L36 6210 SEA ABB=ON PLU=ON L13 AND L35
 L37 4131 SEA ABB=ON PLU=ON L13 AND (NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (?LAYER? OR ?COAT? OR ?FILM? OR ?SURFACE? OR
 OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD?)
 L38 11 SEA ABB=ON PLU=ON L13 AND (NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L39 14333 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR
 OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (?LAYER? OR ?COAT? OR ?FILM? OR ?SURFACE? OR OVERLAY? OR
 OVERLAID OR ?DEPOSIT? OR OVERSPREAD?)
 L40 120 SEA ABB=ON PLU=ON L13 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR
 OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L41 16965 SEA ABB=ON PLU=ON (L37 OR L38 OR L39 OR L40)
 L42 8280 SEA ABB=ON PLU=ON L35 AND (NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (?LAYER? OR ?COAT? OR ?FILM? OR ?SURFACE? OR
 OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD?)
 L43 31 SEA ABB=ON PLU=ON L35 AND (NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L44 12474 SEA ABB=ON PLU=ON L35 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR
 OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (?LAYER? OR ?COAT? OR ?FILM? OR ?SURFACE? OR OVERLAY? OR
 OVERLAID OR ?DEPOSIT? OR OVERSPREAD?)
 L45 75 SEA ABB=ON PLU=ON L35 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR
 OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L46 17386 SEA ABB=ON PLU=ON (L42 OR L43 OR L44 OR L45)
 L47 7652 SEA ABB=ON PLU=ON (L24 OR L35 OR L41) AND (METAL OR METALLIC
 OR ALLOY### OR METALLIZ? OR METALIS?) (3A) (?LAYER? OR ?COAT? OR
 ?FILM? OR ?SURFACE? OR OVERLAY? OR OVERLAID OR ?DEPOSIT? OR
 OVERSPREAD? OR UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L48 7652 SEA ABB=ON PLU=ON (L24 OR L35 OR L41 OR L46) AND (METAL OR
 METALLIC OR ALLOY### OR METALLIZ? OR METALIS?) (3A) (?LAYER? OR
 ?COAT? OR ?FILM? OR ?SURFACE? OR OVERLAY? OR OVERLAID OR
 ?DEPOSIT? OR OVERSPREAD? OR UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L49 5148 SEA ABB=ON PLU=ON (L24 OR L35 OR L41 OR L46) AND (AU OR PT
 OR PD OR NI OR CO OR RH OR GOLD OR PLATINUM OR PALLADIUM OR
 NICKEL OR COBALT OR RHODIUM) (3A) (?LAYER? OR ?COAT? OR ?FILM?
 OR ?SURFACE? OR OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD
 ? OR UNDERLY#### OR OVERLY#### OR OVERLIE# OR UNDERLIE#)
 L50 11198 SEA ABB=ON PLU=ON (L47 OR L48 OR L49)
 L51 1927 SEA ABB=ON PLU=ON L50 AND (METAL OR METALLIC OR ALLOY### OR
 METALLIZ? OR METALIS?) (3A) (?LAYER? OR ?COAT? OR ?FILM? OR
 ?SURFACE?) (3A) (OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD?
 OR TOP#### OR OVER#### OR COVER#### OR UPPER#### OR 2ND OR SECOND##)
 L52 836 SEA ABB=ON PLU=ON L50 AND (AU OR PT OR PD OR NI OR CO OR RH
 OR GOLD OR PLATINUM OR PALLADIUM OR NICKEL OR COBALT OR
 RHODIUM) (3A) (?LAYER? OR ?COAT? OR ?FILM? OR ?SURFACE?) (3A) (OVER
 LAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD? OR TOP#### OR
 OVER#### OR COVER#### OR UPPER#### OR 2ND OR SECOND##)
 L53 2602 SEA ABB=ON PLU=ON (L51 OR L52)
 L54 220 SEA ABB=ON PLU=ON L50 AND (NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (LOWER OR BELOW OR BOTTOM##### OR UNDER#### OR 1ST
 OR FIRST OR FLOOR#### OR UNDERLY#### OR UNDERLIE# OR UNDERLAY####)

L55 602 SEA ABB=ON PLU=ON L50 AND (?OXIDE?) (3A) (NI OR TI OR SN OR CR
 OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (LOWER OR BELOW OR BOTTOM##### OR UNDER#### OR 1ST OR FIRST
 OR FLOOR#### OR UNDERLY### OR UNDERLIE# OR UNDERLAY###)
 L56 803 SEA ABB=ON PLU=ON (L54 OR L55)
 L57 320 SEA ABB=ON PLU=ON L53 AND L56
 L58 2627 SEA ABB=ON PLU=ON L13 AND L46
 L59 5845 SEA ABB=ON PLU=ON L13 AND L50
 L60 1590 SEA ABB=ON PLU=ON L13 AND L53
 L61 422 SEA ABB=ON PLU=ON L13 AND L56
 L62 241 SEA ABB=ON PLU=ON L24 AND L35 AND L13 AND L41 AND L46 AND L50 AND L53
 L63 241 SEA ABB=ON PLU=ON L24 AND L35 AND L13 AND L41 AND L46 AND L50 AND L53 AND L13
 L64 241 SEA ABB=ON PLU=ON L13 AND L35 AND L41 AND L46 AND L50 AND L53
 L65 7847 SEA ABB=ON PLU=ON (L57 OR L58 OR L59 OR L60 OR L61)
 L66 9171 SEA ABB=ON PLU=ON (L41 OR L46) AND (L50 OR L53)
 L67 5638 SEA ABB=ON PLU=ON L66 AND L65
 L68 241 SEA ABB=ON PLU=ON L66 AND L62
 L69 304 SEA ABB=ON PLU=ON L66 AND L57
 L70 320 SEA ABB=ON PLU=ON L65 AND L57
 L71 11380 SEA ABB=ON PLU=ON (L57 OR L58 OR L59 OR L60 OR L61 OR L62 OR
 L63 OR L64 OR L65 OR L66 OR L67 OR L68 OR L69 OR L70)
 L72 129 SEA ABB=ON PLU=ON L71 AND (GALLIUM NITRIDE OR GAN)
 L73 129 SEA ABB=ON PLU=ON L71 AND (OHMIC(1A) CONTACT)
 L74 3042 SEA ABB=ON PLU=ON L71 AND ?ELECTRODE?
 L75 0 SEA ABB=ON PLU=ON L71 AND (RAISED CENTRAL SEAT)
 L76 343 SEA ABB=ON PLU=ON L71 AND (LIGHT) (2A) (EMIT? OR EMIS?)
 L77 150 SEA ABB=ON PLU=ON L71 AND LED
 L78 629 SEA ABB=ON PLU=ON L71 AND (CONTACT###) (2A) (LAYER#####)
 L79 320 SEA ABB=ON PLU=ON L71 AND (?DIODE?)
 L80 65 SEA ABB=ON PLU=ON L71 AND (LIGHT OR IRRAD## OR RADIATION OR
 ILLUMINAT#### OR PHOTON) (3A) (PERMEAB##### OR PERMEAT##### OR
 PASS##### OR POROUS OR PORE OR PENETRAT####)
 L81 5 SEA ABB=ON PLU=ON L57 AND (OHMIC(1A) CONTACT)
 L82 5 SEA ABB=ON PLU=ON L57 AND (GALLIUM NITRIDE OR GAN)
 L83 10 SEA ABB=ON PLU=ON L57 AND (LIGHT) (2A) (EMIT? OR EMIS?)
 L84 50 SEA ABB=ON PLU=ON L57 AND (CONTACT###) (2A) (LAYER#####)
 L85 10 SEA ABB=ON PLU=ON L57 AND (?DIODE?)
 L86 3 SEA ABB=ON PLU=ON L57 AND (LIGHT OR IRRAD## OR RADIATION OR
 ILLUMINAT#### OR PHOTON) (3A) (PERMEAB##### OR PERMEAT##### OR
 PASS##### OR POROUS OR PORE OR PENETRAT####)
 L87 2669 SEA ABB=ON PLU=ON L71 AND (?LAYER? OR ?COAT? OR ?FILM? OR
 ?SURFACE? OR OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD?) (3A) (PLURAL##### OR AT LEAST OR MORE THAN ONE OR MULTIPLE OR
 MULTIPLIC##### OR MULTI OR MYRIAD OR MULTITUDE OR NUMEROUS OR
 LARGE NUMBER OR GREAT NUMBER)
 L88 3042 SEA ABB=ON PLU=ON L71 AND (?LAYER? OR ?COAT? OR ?FILM? OR
 ?SURFACE? OR OVERLAY? OR OVERLAID OR ?DEPOSIT? OR OVERSPREAD?) (3A) (MANY OR SEVERAL OR TWO OR THREE OR FOUR OR SERIES OR GREATER THAN OR 2 OR 2ND)
 L89 4726 SEA ABB=ON PLU=ON (L87 OR L88)
 L90 108 SEA ABB=ON PLU=ON L89 AND ((L72 OR L73))
 L91 216 SEA ABB=ON PLU=ON L89 AND ((L76 OR L77))
 L92 492 SEA ABB=ON PLU=ON L89 AND (L78 OR L79)
 L93 94 SEA ABB=ON PLU=ON L92 AND (L76 OR L77)
 L94 63 SEA ABB=ON PLU=ON L89 AND L72
 L95 400 SEA ABB=ON PLU=ON (L72 OR L73) OR (L80 OR L81 OR L82 OR L83
 OR L84 OR L85 OR L86) OR L90 OR (L93 OR L94)
 L96 61 SEA ABB=ON PLU=ON L95 AND L57
 L97 338 SEA ABB=ON PLU=ON L95 AND L65
 L98 20 SEA ABB=ON PLU=ON L95 AND L62
 L99 327 SEA ABB=ON PLU=ON L95 AND L13
 L100 156 SEA ABB=ON PLU=ON L95 AND L76
 L101 11198 SEA ABB=ON PLU=ON (L24 OR L35 OR L41 OR L46) AND (L50 OR L53)
 L102 356 SEA ABB=ON PLU=ON L101 AND L95
 L103 131 SEA ABB=ON PLU=ON L102 AND OHMIC?
 L104 113 SEA ABB=ON PLU=ON L102 AND (GAN OR GALLIUM NITRIDE)
 L105 137 SEA ABB=ON PLU=ON L102 AND (LIGHT) (2A) (EMIT? OR EMIS?)
 L106 53 SEA ABB=ON PLU=ON L102 AND (LIGHT OR IRRAD## OR RADIATION OR
 ILLUMINAT#### OR PHOTON) (3A) (PERMEAB##### OR PERMEAT##### OR
 PASS##### OR POROUS OR PORE OR PENETRAT####)
 L107 284 SEA ABB=ON PLU=ON L96 OR L98 OR L104 OR L105 OR L106
 L108 272 SEA ABB=ON PLU=ON L107 AND P/DT
 L109 12 SEA ABB=ON PLU=ON L107 NOT L108

L110 6 SEA ABB=ON PLU=ON L109 NOT 2004-2008/PY
L111 189 SEA ABB=ON PLU=ON L108 AND 1980-2003/PRY, PY
L112 180 SEA ABB=ON PLU=ON L108 AND 2004-2008/PRY, PY
L113 92 SEA ABB=ON PLU=ON L108 NOT L112
L114 195 SEA ABB=ON PLU=ON L110 OR L111 OR L113
D L114 ALL MEMMBB 1-195

14:01:46 ON 19 MAR 2008

15:02:03 ON 19 MAR 2008

FILE 'HCAPLUS, WPIX, JAPIO' ENTERED AT 14:02:08 ON 19 MAR 2008

L1 41 SEA ABB=ON PLU=ON (DISCONTINU#####) (2A) (METAL#####) (2A) (?OXIDE?)
L2 26 SEA ABB=ON PLU=ON (DISCONTINU#####) (2A) (METAL#####) (2A) (?
OXIDE?) (2A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L3 33 SEA ABB=ON PLU=ON (DISCONTINU#####) (3A) (NIO OR TIO2 OR
TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO
OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L4 47 SEA ABB=ON PLU=ON (DISCONTINU#####) (3A) (?OXIDE?) (3A) (NI OR
TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR
TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L5 110 SEA ABB=ON PLU=ON (ISLAND OR NONCONTINUOUS###) (3A) (?OXIDE?) (3A
) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL
OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L6 134 SEA ABB=ON PLU=ON (ISLAND OR NONCONTINUOUS####) (3A) (NIO OR
TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR
ZNO OR CUO OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR
?SURFACE? OR ?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L7 52 SEA ABB=ON PLU=ON (NONUNIFORM? OR NON UNIFORM? OR IRREGULAR##
#) (3A) (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO
OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR
?FILM? OR ?SURFACE? OR ?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L8 34 SEA ABB=ON PLU=ON (NONUNIFORM? OR NON UNIFO?) (3A) (?OXIDE?) (3A
) (NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL
OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L9 623 SEA ABB=ON PLU=ON (SEPARAT?) (3A) (?OXIDE?) (3A) (NI OR TI OR SN
OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR
TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR
INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L10 41 SEA ABB=ON PLU=ON (CONVEX? OR BUMP) (3A) (?OXIDE?) (3A) (NI OR
TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR
TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L11 0 SEA ABB=ON PLU=ON (PARTED) (3A) (NIO OR TIO2 OR TITANIA OR
SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR
MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L12 0 SEA ABB=ON PLU=ON (PARTED) (3A) (?OXIDE?) (3A) (NI OR TI OR SN
OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR
TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR
INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L13 854 SEA ABB=ON PLU=ON (PARTITION? OR PORTION###) (3A) (?OXIDE?) (3A)
(NI OR TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL
OR TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L14 53 SEA ABB=ON PLU=ON (SPACED OR SPACING) (3A) (?OXIDE?) (3A) (NI OR
TI OR SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR
TITANIUM OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR
MAGNESIUM OR INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
L15 78 SEA ABB=ON PLU=ON (SPACED OR SPACING OR SPACE) (3A) (NIO OR
TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR
ZNO OR CUO OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR

?SURFACE? OR ?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L16 3 SEA ABB=ON PLU=ON (DISCONNECT#####) (3A) (NIO OR TIO2 OR
 TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO
 OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
 ?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L17 8 SEA ABB=ON PLU=ON (DISCONNECT?) (3A) (?OXIDE?) (3A) (NI OR TI OR
 SN OR CR OR CO OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM
 OR TIN OR CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR
 INDIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
 ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L18 5 SEA ABB=ON PLU=ON (PARTITION#####) (3A) (NIO OR TIO2 OR TITANIA
 OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O
 OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT?
 OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L19 877 SEA ABB=ON PLU=ON (?PATTERN? OR ?ARRAY?) (3A) (NIO OR TIO2 OR
 TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO
 OR CU2O OR MGO OR IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR
 ?COAT? OR ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L20 112452 SEA ABB=ON PLU=ON (NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3
 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR
 IN2O3) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR
 ?DEPOSIT? OR UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L21 209133 SEA ABB=ON PLU=ON (?OXIDE?) (3A) (NI OR TI OR SN OR CR OR CO
 OR ZN OR CU OR MG OR IN OR NICKEL OR TITANIUM OR TIN OR
 CHROMIUM OR COBALT OR ZINC OR COPPER OR MAGNESIUM OR INDIUM) (3A
) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR ?DEPOSIT? OR
 UNDERLY#### OR UNDERLAY? OR UNDERLIE#)
 L22 278019 SEA ABB=ON PLU=ON L20 OR L21
 L23 178 SEA ABB=ON PLU=ON L22 (3A) (PLURAL#### OR MORE THAN ONE OR
 GREATER THAN OR TWO OR THREE OR MULTIPLE OR NUMEROUS OR MANY
 OR SEVERAL) (3A) (PORTION OR PLATFORM OR REGION OR PARTITION OR
 SEGMENT OR SECTOR OR REGION OR AREA OR PART OR SEAT)
 L24 793 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR
 L8) OR L10 OR (L14 OR L15 OR L16 OR L17 OR L18) OR L23
 L25 139 SEA ABB=ON PLU=ON L24 AND (METAL OR METALLIC) (3A) (?LAYER? OR
 ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE? OR OVERLY? OR
 OVERLAID OR OVERSPREAD? OR TOP#### OR UPPER####)
 L26 28 SEA ABB=ON PLU=ON L24 AND (METAL OR METALLIC) (3A) (?LAYER? OR
 ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE?) (3A) (OVER##### OR
 TOP OR ATOP OR UPPER##### OR 2ND OR SECOND OR OVERLY? OR
 OVERLAID OR OVERLIE# OR OVERLAY####)
 L27 2 SEA ABB=ON PLU=ON L24 AND (ALLOY### OR GOLD OR PLATINUM OR
 PALLADIUM OR NICKEL OR COBALT OR RHODIUM) (3A) (?LAYER? OR
 ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE?) (3A) (OVER##### OR
 TOP OR ATOP OR UPPER##### OR 2ND OR SECOND OR OVERLY? OR
 OVERLAID OR OVERLIE# OR OVERLAY####)
 L28 3 SEA ABB=ON PLU=ON L24 AND (RH OR AU OR PT OR PD OR NI OR
 CO) (3A) (?LAYER? OR ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE?) (3A) (OVER##### OR TOP OR ATOP OR UPPER##### OR 2ND OR SECOND OR OVERLY? OR OVERLAID OR OVERLIE# OR OVERLAY####)
 L29 117 SEA ABB=ON PLU=ON L24 AND (ALLOY### OR AU OR PT OR PD OR NI
 OR CO OR RH) (3A) (?LAYER? OR ?FILM? OR ?COAT? OR ?DEPOSIT? OR
 ?SURFACE? OR OVERLY? OR OVERLAID OR OVERSPREAD? OR TOP#### OR
 UPPER#### OR ABOVE OR OVER#####)
 L30 89 SEA ABB=ON PLU=ON L24 AND (AU OR PT OR PD OR NI OR CO OR
 RH) (3A) (?LAYER? OR ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE?
 OR OVERLY? OR OVERLAID OR OVERSPREAD? OR TOP#### OR UPPER#### OR ABOVE OR OVER#####)
 L31 11 SEA ABB=ON PLU=ON L24 AND (AU OR PT OR PD OR NI OR CO OR
 RH) (3A) (COVER#### OR ATOP OR TOP#### OR UPPER##### OR ABOVE OR OVER#####)
 L32 3 SEA ABB=ON PLU=ON L24 AND (GOLD OR PLATINUM OR PALLADIUM OR
 NICKEL OR COBALT OR RHODIUM) (3A) (COVER#### OR ATOP OR TOP####
 OR UPPER##### OR ABOVE OR OVER#####)
 L33 2 SEA ABB=ON PLU=ON L24 AND (GOLD OR PLATINUM OR PALLADIUM OR
 NICKEL OR COBALT OR RHODIUM) (3A) (COVER#### OR ATOP OR TOP####
 OR UPPER##### OR ABOVE OR OVER#####) (2A) (?OXIDE? OR NIO OR
 TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR
 ZNO OR CUO OR CU2O OR MGO OR IN2O3)
 L34 4 SEA ABB=ON PLU=ON L24 AND (AU OR PT OR PD OR NI OR CO OR
 RH) (3A) (COVER#### OR ATOP OR TOP#### OR UPPER##### OR ABOVE OR
 OVER#####) (2A) (?OXIDE? OR NIO OR TIO2 OR TITANIA OR SNO2 OR
 CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L35 40 SEA ABB=ON PLU=ON L24 AND (AU OR PT OR PD OR NI OR CO OR
 RH) (3A) (?LAYER? OR ?FILM? OR ?SURFACE? OR ?COAT? OR ?DEPOSIT?) (
 2A) (?OXIDE? OR NIO OR TIO2 OR TITANIA OR SNO2 OR CR2O3 OR CRO3
 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L36 55 SEA ABB=ON PLU=ON L24 AND (GOLD OR PLATINUM OR PALLADIUM OR
 NICKEL OR COBALT OR RHODIUM) (3A) (?LAYER? OR ?FILM? OR ?SURFACE?
 OR ?COAT? OR ?DEPOSIT?) (2A) (?OXIDE? OR NIO OR TIO2 OR TITANIA
 OR SNO2 OR CR2O3 OR CRO3 OR COO OR CO2O3 OR ZNO OR CUO OR CU2O OR MGO OR IN2O3)

L37 46 SEA ABB=ON PLU=ON ((L1 OR L2 OR L3 OR L4 OR L5 OR L6)) (3A) (AU
 OR PT OR PD OR NI OR CO OR RH OR GOLD OR PLATINUM OR PALLADIUM OR COBALT OR RHODIUM)

L38 4 SEA ABB=ON PLU=ON ((L1 OR L2 OR L3 OR L4 OR L5 OR L6)) (3A) (CO
 NTINUOUS####) (3A) (METAL#####) (3A) (?LAYER? OR ?FILM? OR
 ?COAT? OR ?DEPOSIT? OR ?SURFACE?)

L39 0 SEA ABB=ON PLU=ON ((L1 OR L2 OR L3 OR L4 OR L5 OR L6)) (3A) (CO
 NTINUOUS####) (3A) (GOLD OR PLATINUM OR PALLADIUM OR NICKEL OR
 COBALT OR RHODIUM OR AU OR PT OR PD OR NI OR CO OR RH) (3A) (?LAY
 ER? OR ?FILM? OR ?COAT? OR ?DEPOSIT? OR ?SURFACE?)

L40 6 SEA ABB=ON PLU=ON ((L1 OR L2 OR L3 OR L4 OR L5 OR L6)) (3A) (ME
 TAL##### OR AU OR GOLD OR PT OR PLATINUM OR PD OR PALLADIUM
 OR NICKEL OR NI OR COBALT OR CO OR RH OR RHODIUM) (3A) (OVER#####
 OR ATOP OR TOP##### OR UPPER##### OR ABOVE)

L41 254 SEA ABB=ON PLU=ON (L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR
 L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37 OR L38 OR L39 OR L40)

L42 59 SEA ABB=ON PLU=ON L41 AND DISCONTINUOUS?

L43 1 SEA ABB=ON PLU=ON L41 AND DISCONNECT?

L44 94 SEA ABB=ON PLU=ON L41 AND ISLAND

L45 37 SEA ABB=ON PLU=ON L42 AND P/DT

L46 22 SEA ABB=ON PLU=ON L42 NOT L45

L47 18 SEA ABB=ON PLU=ON L46 NOT 2004-2008/PY

L48 31 SEA ABB=ON PLU=ON L45 AND 1980-2003/PRY, PY

L49 10 SEA ABB=ON PLU=ON L45 AND 2004-2008/PRY, PY

L50 27 SEA ABB=ON PLU=ON L45 NOT L49

L51 53 SEA ABB=ON PLU=ON L50 OR L48 OR L47

D L51 ALL MEMBB 1-53

L52 201 SEA ABB=ON PLU=ON L41 NOT L51

L53 88 SEA ABB=ON PLU=ON L52 AND ISLAND

L54 27 SEA ABB=ON PLU=ON L53 AND P/DT

L55 61 SEA ABB=ON PLU=ON L53 NOT L54

L56 43 SEA ABB=ON PLU=ON L55 NOT 2004-2008/PY

L57 23 SEA ABB=ON PLU=ON L54 AND 1980-2003/PRY, PY

L58 13 SEA ABB=ON PLU=ON L54 AND 2004-2008/PRY, PY

L59 14 SEA ABB=ON PLU=ON L54 NOT L58

L60 66 SEA ABB=ON PLU=ON L59 OR L57 OR L56

D L60 ALL 1-66